

531, 327

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
29 April 2004 (29.04.2004)

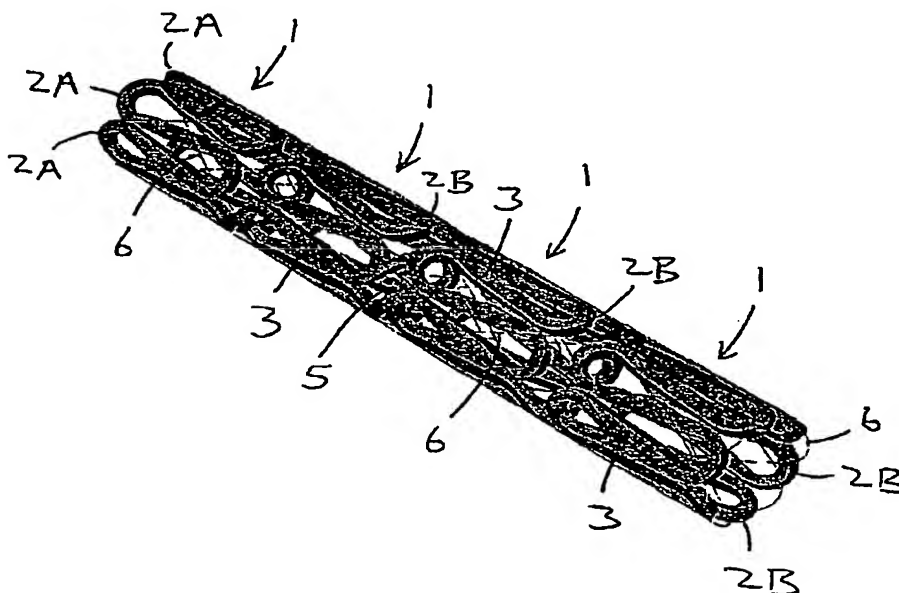
PCT

(10) International Publication Number
WO 2004/034931 A2

- (51) International Patent Classification⁷: A61F 2/06 // A61L 27/54
- (21) International Application Number: PCT/DK2003/000698
- (22) International Filing Date: 14 October 2003 (14.10.2003)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
0223870.7 14 October 2002 (14.10.2002) GB
- (71) Applicant (for all designated States except US): CUBE MEDICAL A/S [DK/DK]; Langebjerg 2, DK-4000 Roskilde (DK).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): ANDERSEN, Erik [DK/DK]; Rønnens Kvarter 5, Østød, DK-4000 Roskilde (DK). WEN, Ning [FR/FR]; 27, allée du Valois, F-60500 Chantilly (FR).
- (81) Designated States (*national*): AE, AG, AL, AM, AT (utility model), AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ (utility model), CZ, DE (utility model), DE, DK (utility model), DK, DM, DZ, EC, EE (utility model), EE, EG, ES, FI (utility model), FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK (utility model), SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

[Continued on next page]

(54) Title: STENT ASSEMBLY



(57) Abstract: A stent assembly comprises an expandable tubular stent (21), an external surface of which is provided with a fabric (5) which may constitute a reservoir to hold drugs to be released in the intravascular system of a living. The fabric (5) may be made from a filamentary material, such as multifilament yarn (6). Electrospinning of nanofibers of, e.g., polymer may be employed for manufacturing the fabric. The stent may comprise an assembly of radially expandable, tubular elements (1) aligned along a common longitudinal axis and successively joined together in pairs by respective sets of linking members (4), e.g. forming a zigzag corrugation. The stent may be crimped onto a balloon.

WO 2004/034931 A2



Published:

— without international search report and to be republished
upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.